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**PROGRESS OF GEOLOGICAL WORK IN
CANADA DURING 1899.**

By HENRY M. ANI,
of the Geological Survey of Canada, Ottawa.

*"Reprinted from the Canadian Record of Science, Vol. VIII, No. 4,
for July, 1900."*

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PROGRESS OF GEOLOGICAL WORK IN CANADA
DURING 1899.

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of the Geological Survey of Canada.

INTRODUCTORY NOTE.

The following synopsis of geological work in Canada for the year 1899 has been prepared with a view of furnishing students of geology in Canada with as complete a list of the writings of those engaged in geological work as possible. It comprises, besides general geological writings bearing upon questions of stratigraphy, and nomenclature, the titles of papers upon other branches of geological work. These include writings on paleontology, on mining and kindred subjects. It is one of the difficulties against which geologists in a young country like Canada have to contend, namely, that there is practically no complete bibliography of Canadian geology available. For a number of years past the writer has attempted to bring together in the form of a card catalogue the writings concerning Canadian geology, published both in Canada and elsewhere. He will be under extreme obligations to the contributors of that science who will kindly forward him such titles of geological writings as are likely to be of value in compiling a catalogue of Canadian geological works.

The present list contains one hundred and nine separate titles of papers bearing on the geology of Canada for 1899,

including one or two records for previous years hitherto unnoticed. It has been prepared in the hope that it may serve to fill a want in the direction of bibliographic references, without which it is practically impossible to be in touch with or know what is going on in the scientific world about us.

ADAMS, FRANK D.

Review of "Report on the Geology and Natural Resources on the area included in the Nipissing and Temiscaming map sheet, comprising portions of the District of Nipissing, Ontario, and of the County of Pontiac, Quebec."

Journal of Geology, Vol. 7, No. 7, pp. 713-717, Oct.-Nov., 1899. Chicago.

ADAMS, FRANK D.

Sir William Dawson (Biographical Sketch of).

(Science, n.s., Vol. 10, pp. 905-910, Dec. 22, 1899), N.Y. (with portrait). Also in "McGill Outlook," Montreal, for Dec., 1899.

ADAMS, FRANK D.

Studies in the Geology of the Vicinity of Montreal, which might be undertaken by members of the Natural History Society.

Can. Rec. Sci., Vol. 8, No. 2, pp. 65-70. July, 1899 (issued Dec. 30th, 1899), Montreal, Que.

ADAMS, FRANK D., and BARLOW, A. E.

(Report of Geological Work of, in Central Ontario) .

Sum. Rep. Geol. Surv. Dept. for the year 1898, pp. 106-111, 1899. Govt. Printing Bureau, Ottawa.

AMI, H. M.

On the Geology of Wolfville, and part of the Basin of Minas, Nova Scotia.

The Evangeline Journal, Third edition, Season 1899. Rockwell & Co., Wolfville, Nova Scotia, issued June, 1899.

AMI, H. M.

The Mastodon in Western Ontario.

Abstract. Science, n. s., Vol. 7, p. 80, 1898. (Not previously recorded).

AMI, H. M.

Sir William Dawson (The Scientific Work of) (in French).

L'Aurore, 34me Année, No. 50, pp. 4-5. Montreal.

AMI, H. M.

(Notes on general results of a Palaeontological Survey of numerous outcrops in the Counties of Antigonish, Pictou, Colchester, Cumberland, Hants, and Kings, Nova Scotia).

Summary Report, Geol. Surv. Dept., pp. 180-182. Govt. Printing Bureau, Ottawa.

AMI, H. M.

(List of Fossil Organic Remains from the altered grey slates with shaly bands (of the Silurian) from six miles west of Canterbury Station, along the St. Andrews and Woodstock branch of the Canadian Pacific Railway).

Summary Report for 1898, Geol. Surv. Dept., p. 137, issued 1899. Govt. Printing Bureau, Ottawa.

AMI, H. M.

On a new or hitherto unrecognized geological horizon in the Gas and Oil Region of Western Ontario, Canada.

Journal Can. Mining Institute, Vol. 2, pp. 186-191, 2 pl., 1899. Ottawa. (Also issued as separate under cover.)

AMI, H. M.

Palaeontological Notes (Notice of palaeontological writings in Summary Rep. Geol. Surv. Dept. for 1898.

The Ottawa Naturalist, Vol. 13, No. 4, p. 116, July, 1899. Ottawa.

AMI, H. M.

Excursion to Queen's Park, Aylmer. (Geology).

The Ottawa Naturalist, Vol. 13, No. 5, pp. 131-132, Aug. 1899. Ottawa.

AMI, H. M.

Excursion to Cumberland, Ont. Geology.

The Ottawa Naturalist, Vol. 13, No. 5, pp. 133-134, August, 1899. Ottawa.

AMI, H. M.

Report of the Geological Branch for 1898-1899. (Addressed
"To the Council of the Ottawa Field-Naturalists' Club,"
March, 1899.)

The Ottawa Naturalist, Vol. 13, No. 9, pp. 218-223, December, 1899. Ottawa.

AMI, H. M.

Belinurus grandaevus, a new species of palaeozoic crustaceans, recently described by Prof. T. R. Jones and Dr. Henry Woodward, from the Eo-Carboniferous of Riversdale, Nova Scotia.

The Ottawa Naturalist, Vol. 13, No. 9, pp. 207-209, Dec. 1899. Ottawa.

AMI, H. M.

(Silurian Fossils recorded from Burnt Island, Manitoulin Island, the nearest outcrop of fossiliferous limestones to the Duck Islands, Lake Huron).

Summary Rep. Geol. Surv. Dept. for 1898, p. 179. Govt. Printing Bureau, Ottawa.

AMI, H. M.

On some Cambro-Silurian and Silurian fossils from Lake Nipissing, Teniscaming and the Mattawa outliers.

Appendix 2, Pt. I., Annual Rep. Geol. Surv. Can., Vol. 10, pp. 289-302, 1899. Ottawa.

AMI, H. M.

(Note on the Geology of the Duck Islands, Lake Huron.)

Sum. Rep. Geol. Surv. Dept., for the year 1898, pp. 176-180. 1899. Govt. Printing Bureau, Ottawa.

BAIN, J. WATSON.

Notes on Working Mines.

Rep. of the Bureau of Mines, Vol. 8, Pt. 2, 1899, pp. 275-279, 1899. Toronto.

BAIN, J. WATSON.

Summer Mining Schools.

Rep. Bureau of Mines, Vol. 8, Pt. 2, pp. 280-282, 1899. Toronto.

BAILEY, L. W.

Triassic ? rocks of Digby Basin, Nova Scotia.

Nova Scot. Instit. Sci., Proc. and Trans., Vol. 9, Pt. 4, pp. 356-360, 1898. Halifax.

BAILEY, L. W.

The Mineral Resources of the Province of New Brunswick.
Ann. Rep. Geol. Surv. Can., Vol. 10, Part M., 128 pp. and
addendum, Ottawa.

BAILEY, L. W.

Some typical sections in Southwestern Nova Scotia.
Brit. Assoc. Adv. Sci., Rep. 1897, p. 640, 1898. London,
Eng. (Not previously recorded.)

BARLOW, A. E. (and FERRIER, W. F.)

On the relations and structure of certain granites and
associated arkose of Lake Temiscaming, Canada.
Brit. Assoc. Adv. Sci., Rep. 1897, pp. 659-660, 1898. London,
Eng.

BARLOW, A. E.

Report on the Geology and Natural Resources of the area
included in the Nipissing and Temiscaming map-sheets,
comprising portions of the district of Nipissing, Ontario,
and County of Pontiac, Quebec.
Geol. Surv., Can., Ann. Rep., Vol. 10, pt. I., 302 pp. with 2
appendixes.

BARLOW, A. E. (and ADAMS, FRANK D.)

(Report of the Geological Work of, in Central Ontario.)
Sum. Rep. Geol. Surv. Dept., for the year 1898, pp. 106-111,
1899. Govt. Printing Bureau, Ottawa.

BATHER, F. A.

A record of, and Index to, the literature of Echinoderma
published during the year 1898, with a few items from
previous years.
Zoological Record for 1898. Zool. Soc., London, 1899,
73 pp.

BELL, ROBERT.

Fossil-like forms on the Sault Ste. Marie sandstone.
Abstract, Science, n.s., Vol. 7, p. 80, 1898.

BELL, ROBERT.

The geological history of Lake Superior. (Advance copy.)
(Read before the Can. Instit. Toronto, Apl. 15, 1899.)
Memorial Volume of Trans. Can. Instit. 1899, Toronto.

BELL, ROBERT.

(Report of geological work of, in the Michipicoten gold-
mining region of Lake Superior, Canada.
Sum. Rep. Geol. Surv. Dept., for year 1898, pp. 99-106. 1899.
Govt. Printing Bureau, Ottawa.

BLUE, ARCHIBALD.

Mineral Industries of Ontario, Statistics of 1898.

Rep. Bureau Mines, Vol. 8, pt. 1, 1899, pp. 9-28. Toronto.

BLUE, ARCHIBALD.

Corundum in Ontario.

Rep. Bureau of Mines, Vol. 8, pt. 2, 1899, pp. 241-249, 1899.
Toronto, Ont.

BOYD, DAVID G.

Michipicoten, Mining Division.

Rep. Bureau of Mines (for Ontario), Vol. 8, pt. 1, pp. 100-105, 1899. Toronto.

BONNEY, T. G.

The Parent-rock of the Diamond in South Africa.

Can. Rec. Sci., Vol. 8, No. 2 (July, 1899), (issued Dec. 30, 1899), pp. 95-114. 1899. Montreal.

BOW, JAMES A.

Mines of North-western Ontario.

Rep. Bureau of Mines, Vol. 8, pt. 1, pp. 49-99, 1899. Toronto.

BOW, JAMES A.

Lower Seine Gold Mines.

Rep. Bureau of Mines, Vol. 8, pt. 2, 1899, pp. 263-274.
Toronto, Ont.

BROCK, R. W.

(Report of geological work of, in West Kootenay, British Columbia.)

Sum. Rep. Geol. Surv. Dept., for year 1898, pp. 63-71, 1899.
Govt. Printing Bureau, Ottawa.

CARLYLE, W. A.

(Mining operations for gold, coal, etc., in the Province of British Columbia.)

Brit. Col. Ann. Rep. of the Minister of Mines for 1897, pp. 453-460, 1898. Victoria, B.C.

CHALMERS, ROBERT.

(Report on the surface geology and auriferous deposits of South-eastern Quebec.)

Sum. Rep. Geol. Surv. Dept. for year 1898, pp. 121-124, 1899. Govt. Printing Bureau, Ottawa.

CHALMERS, ROBERT.

The pre-glacial decay of rocks in Eastern Canada.

Brit. Assoc. Adv. Sci. Rep. 1897, pp. 655-656, 1898. London.

CHALMERS, ROBERT.

The gold-bearing deposits of the Eastern Townships of Quebec.

Federated Can. Min. Instit. Journ., Vol. 2, pp. 13-27, 1897.
Ottawa.

CHALMERS, ROBERT.

Report on the Surface Geology and Auriferous Deposits of South-eastern Quebec.

Geol. Surv. Can., Ann. Rep., Vol. 10, pt. T, 160 pp., with map, 1899. Ottawa. (one plate.)

CHALMERS, ROBERT.

(Report on the surface geology of portions of New Brunswick.

Sum. Rep. Geol. Surv. Dept., for year 1898, pp. 133-139, 1899. Ottawa.

CHARLTON, W. A., JR.

Goulais River to Dalton.

Rep. Bureau of Mines, Vol. 8, pt. 2, 1899, pp. 197-204, 1899.
Toronto.

COLEMAN, A. P.

Notes on Western Ontario Goldfields.

Fed. Can. Min. Instit. Journ. Vol. 2, pp. 278-282, 1898.
Ottawa.

COLEMAN, A. P.

A new Analcite Rock from Lake Superior.

Journ. Geol., Vol. 7, No. 5, July-Aug., 1898, pp. 431-436, 1899. Chicago.

COLEMAN, A. P.

Corundiferous nepheline-syenite from Eastern Ontario.

Journ. Geol., Vol. 7, No. 5, pp. 437-444, July-Aug., 1899.
Chicago.

COLEMAN, A. P.

Canadian Pleistocene Flora and Fauna.

Rep. Committee (of Brit. Assoc. Adv. Sci.) to investigate Canadian Pleistocene Flora and Fauna. Section C, 3pp. 1899. (Dover meeting.)

COLEMAN, A. P.

Copper in Parry Sound District.

Rep. Bureau of Mines, Vol. 8, pt. 2, pp. 259-262, 1899.
Toronto.

COLEMAN, A. P.

Corundiferous nepheline-syenite.

Rep. Bureau of Mines, Vol. 8, pt. 2, pp. 250-253, 1899.
Toronto, Ont.

COLEMAN, A. P.

Copper regions of the Upper Lakes.

Rep. Bureau of Mines, Vol. 8, pt. 2, 1899, pp. 121-174, (with reports by Prof. A. B. Mellincott), pp. 134-141, and 144-146, 1899. Toronto.

COLEMAN, A. P. (and MELLINCOTT, A. S.)

Michipicoten Iron Range.

Rep. Bureau of Mines, Vol. 8, pt. 2, 1899, pp. 254-258.
1899. Toronto.

DAWSON, G. M.

Summary report of the Geological Survey Department for the year 1898, (containing also reports of the several technical officers of the Geological Survey staff, on the geology, etc., of various portions of the Dominion of Canada.)

208 pp. 1899. Govt. Printing Bureau, Ottawa.

DAWSON, G. M.

(On mammoth and musk-ox remains, from the Saskatchewan gold-bearing gravels of the Edmonton district, Alberta.)

Sum. Rep. 1898, Geol. Surv. Dept., pp. 19-20, 1899. Govt. Printing Bureau, Ottawa.

DAWSON, SIR J. WILLIAM.

Note on an Echinoderm collected by Dr. Ami at Besserers, Ottawa River, in the Pleistocene (Leda Clay).

The Ottawa Naturalist, Vol. 13, No. 9, pp. 201-202, Dec., 1899. Ottawa.

(DAWSON, SIR J. WILLIAM.)

Biographical Sketch by Frank D. Adams, Science, n.s., Vol. 10, pp. 905-910, Dec. 22, 1899. Portland.

DE KALB, COURTENAY.

The condition of Ontario mines.

Rep. Bureau of Mines, Vol. 8, pt. 1, pp. 29-48, 1899.
Toronto.

DOWLING, D. B.

(Report of Geological Work of, in the Lake Nipigon Region of Ontario.)

Sum. Rep. Geol. Surv. Dept., for year 1898, pp. 94-99. 1899.
Govt. Printing Bureau, Ottawa.

DRESSER, J. A.

(Report on the Petrography of Shefford Mountain.)

Sum. Rep. Geol. Surv. Dept., for year 1898, pp. 120-121,
1899. Govt. Printing Bureau, Ottawa.

DRUMMOND, A. T.

The Lake on the Mountain, near Picton, Ont.

Can. Rec. Sci., Vol. 8, No. 2, pp. 90-95, (issued Dec. 30th,
1899.) July, 1899. Montreal.

ELLS, R. W.

Canadian Geological Nomenclature.

Being the presidential address to Section IV., Roy. Soc.

Can., May, 1899.

Trans. Roy. Soc. Can., Ser. 2, Vol. 5, Sect. 4, pp. 3-38,
1899. Ottawa.

ELLS, R. W.

The Mineral Resources of the Ottawa District.

The Ottawa Naturalist, Vol. 13, No. 1, pp. 14-21, No. 2, pp.
25-36, 1899. Ottawa. (Issued as separate 20 pp., June,
1899.)

ELLS, R. W.

(Report of the Geological Work of, in Eastern Ontario,
and adjacent portions of Quebec.)

Sum. Rep. Geol. Surv. Dept., for year 1898, pp. 112-119.
1899. Govt. Printing Bureau, Ottawa.

FARIBAULT, E. R.

(Report on the Structural Geology of a portion of the
gold-bearing rocks of Nova Scotia.)

Sum. Rep. Geol. Surv. Dept., for year 1898, pp. 149-159.
1899. Govt. Printing Bureau, Ottawa.

FLETCHER, HUGH.

(Report of the Geology of the Springhill Coal basin, and of
the Iron ore deposits of Whyecomagh, in Nova Scotia.)

Sum. Rep. Geol. Surv. Dept., for year 1898, pp. 139-148.
1899. Govt. Printing Bureau, Ottawa.

FRASER, W. A.

(Report on the actual progress of Boring Operations at Victoria, and near Pelican River, Athabasca River.)
Sum. Rep. Geol. Surv. Dept., for year 1898, pp. 32-36, 1899.
Ottawa. Govt. Print. Bureau.

GILPIN, E., JR.

Nova Scotia Gold-fields.

"The Mining Journal," London, England, March 4, 1899,
pp. 247-248. Gives results of work done by Mr. Faribault, of the Geological Survey of Canada. (To be continued.)

GOODWIN, DR. W. L.

Summer Mining Classes.

Rep. Bureau of Mines, Vol. 8, pt. 2, 1899, Toronto, pp. 282-283, 1899. Toronto.

HOBBS, W. H.

The Diamond Field of the Great Lakes.

Journ. Geol. Vol. 7, No. 4, May-June, 1899, pp. 375-388,
with two glacial maps and 1 table, 1899. Chicago.

INGALL, E. D.

Canada as a producer of the precious metals.

Journ. Can. Banker's Assoc., Toronto, 16 pp., 2 folding plates, 1899. Toronto.

INGALL, E. D (and DENIS, THEO. C. and T. McLEISH.)

Annual Report for 1897.

Section of Mineral Statistics and Mines.

Part S, Ann. Rep., Vol. 10, Geol. Surv. Can., 232 pp. 1899.
Ottawa.

JONES, T. RUPERT (and WOODWARD, HENRY.)

Contributions to Fossil Crustacea.

Geol. Mag., Dec. 4, Vol. 6, No. 423, pp. 388-390, pl. 15, Figs.
2 and 3, 1899. London, Eng.

KAIN, S. W. (and MATTHEW, G. F.)

On Artesian and Fissure Wells in New Brunswick.

Bull. Nat. Hist. Soc. N. Br., No. 17, Art. 7, Vol. 4, pt. 2,
pp. 143-152, 1899. St. John, N.B.

LAMBE, L. M.

(Notes on the reptilian remains from the Belly River and Laramie formations of the North-west Territories of Canada.)

Sum. Rep. Geol. Surv. Dept., for year 1898, pp. 184-190, 1899. Govt. Printing Bureau, Ottawa.

LAMBE, L. M.

On reptilian remains from the Cretaceous of North-western Canada.

The Ottawa Naturalist, Vol. 13, No. 3, pp. 68-70, June, 1899. Ottawa.

LAMBE, L. M.

Notes on a Stromatoporoid from the Hudson River formation of Ontario.

The Ottawa Naturalist, Vol. 13, No. 7, Oct., 1899, pp. 170-171, 1899. Ottawa.

LOW, A. P.

(Report of Geographical and Geological Work of, on the East coast of Hudson Bay.)

Sum. Rep. Geol. Surv. Dept. for year 1898, pp. 124-133, 1899. Govt. Printing Bureau, Ottawa.

MATTHEW, G. F. (and KAIN, S. W.)

On Artesian and Fissure Wells in New Brunswick.

Bull. Nat. Hist. Soc. N.B., No. 17, Art. 7, Vol. 4, pt. 2, pp. 143-152, 1899. St. John, N.B.

MATTHEW, G. F.

Preliminary Notice of the Etcheminian Fauna of Cape Breton.

Bull. Nat. Hist. Soc. N.B., No. 18, Vol. 4, pp. 198-208, 4 pls. (1-4), 1899. St. John, N.B.

MATTHEW, G. F.

Review of preliminary notice of the Etcheminian Fauna of Newfoundland. From Bull. Nat. Hist. Soc. N.B., June, 1899.

Geol. Mag., No. 422, n.s., Dec. 4, Vol. 6, No. 8, Aug., 1899. London, England.

MATTHEW, G. F.

A new Cambrian Trilobite.

Bull. Nat. Hist. Soc., New Brunswick, No. 17, Article 5, pp. 136-142, March, 1899. St. John, N.B.

MATTHEW, G. F.

Studies on Cambrian Faunas, No. 2.

The Cambrian System in the Kennebecasis Valley.

Part I.—Stratigraphy of the Cambrian in the Valley.

Part II.—Description of the species found.

Trans. Roy. Soc. Canada, Sect. IV., Vol. 4, new series,
pp. 123-153, Plates I. and II., issued 1899.

MATTHEW, G. F.

Art. I. Preliminary Notice of the Etcheminian Fauna of
Newfoundland.

Bull. Nat. Hist. Soc. N.B., No. 18, Vol. 4, pp. 189-197, 1899.
St. John (pls. 1-3).

MATTHEW, G. F.

A Palaeozoic Terrane beneath the Cambrian.

Ann. N.Y. Acad. Sc., Vol. 12, No. 2, pp. 41-56, April, 1899.
New York City.

MELLINCOTT, A. B. (and COLEMAN, A. P.)

Michipicoten Iron Range.

Rep. Bureau of Mines, Vol. 8, pt. 2, pp. 254-258, 1899.
Toronto.

MILLER, WILLET G.

Notes on the Corundum-bearing rocks of Eastern Ontario,
Canada.

Amer. Geol., Vol. 24, pp. 276-282, pl. 13, Nov., 1899. Min-
neapolis.

MILLER, WILLET G.

Corundum and other minerals.

Rep. Bureau of Mines, Vol. 8, pt. 2, pp. 205-240, 1899.
Toronto.

McCONNELL, R. G. (and TYRRELL, J. B.)

Preliminary note of the Gold deposits and Gold mining
in the Klondike region, Yukon district.

Sum. Rep. Geol. Surv. Dept. for year 1898, pp. 55-62, 1899.
Govt. Printing Bureau, Ottawa.

McEVOY, J.

(Report of Geological Work of, in Northern Alberta and
the Rocky Mountains, Canada.)

Sum. Rep. Geol. Surv. Dept. for year 1898, pp. 72-86, 1899.
Govt. Printing Bureau, Ottawa.

McINNIS, WM.

Report on the Geology of the area covered by the Seine River, and Lake Shebandowan map sheets, comprising portions of Rainy River and Thunder Bay districts, Ontario.

Ann. Rep. (pt. H), Vol. 10, Geol. Surv. Can., 65 pp., 2 maps in case. 1899. Ottawa.

McINNIS, WM.

(Geological Work of, in the Seine River and Shebandowan map sheets areas.)

Sum. Rep. Geol. Surv. Dept. for year 1898, pp. 87-94. 1899. Govt. Printing Bureau, Ottawa.

PARKS, WM. ARTHUR.

The Nipissing Algoma Boundary.

Rep. Bureau of Mines, Vol. 8, pt. 2, 1899, pp. 175-196. Toronto.

REED, F. R. COWPER.

Woodwardian Museum Notes, A New Trilobite from Mt. Stephen, Field, B.C.

Geol. Mag., No. 42, n.s., Dec. 4, Vol. 6, No. 8, Aug., 1899, pp. 358-361. London.

ROBERTS, AUSTIN.

Nickel Extraction by the Mould process.

Rep. Bureau of Mines for Ontario, Vol. 8, pt. I., pp. 106-120, 1899. Toronto.

ROBERTSON, WM. FLEET.

Mineral Production, etc., of British Columbia.

Ann. Rep. Minister of Mines for 1898, for B.C., pp. 961-1230, 1899. Victoria, B.C.

SPENCER, J. W.

Mr. Huddleston On the Eastern Margin of the North Atlantic Basin.

Geol. Mag., Dec. 4, No. 426, Vol. 6, No. 12, pp. 559-566, Dec., 1899. London, Eng.

TYRRELL J. B. (and McCONNELL, R. G.)

Preliminary note of the Gold Deposits and Gold mining in the Klondike region, Yukon district.

Sum. Rep. Geol. Surv. Dept. for year 1898, pp. 55-62, 1899. Govt. Printing Bureau, Ottawa.

TYRRELL, J. B.

(Geological Work of, in Yukon district.)

Sum. Rep. Geol. Surv. Dept. for year 1898, pp. 37-55, 1899.
Ottawa.

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Some observations on the Illecillewaet and Asulkan
Glaciers of British Columbia.

Proc. Acad. Nat. Sc. Philadelphia, pp. 121-124. (1899).

WEEKS, F. B.

Bibliography and Index of North American Geology, Palaeontology, Petrology and Mineralogy.

Bull. U.S. Geol. Surv., No. 162, pp. 163, 1899. Washington.

WELLS, J. WALTER.

"Provincial Assay Office."

Report of the Bureau of Mines, Vol. 8, pt. 2, pp. 284-289,
1899. Toronto.

WESTON, T. C.

Reminiscences among the Rocks in connection with the
Geological Survey of Canada.

Printed for the author, 1899. Toronto.

WESTON, T. C.

Notes on a Geological trip over a portion of the Canadian
North-west Territories.The Ottawa Naturalist, Vol. 13, No. 8, pp. 177-187, November,
1899. Ottawa.

WILCOX, WALTER D.

A certain type of Lake Formation in the Canadian Rocky
Mountains.Journ. Geol., Vol. 7, pp. 247-260 (4 types of lake), May,
1899. Chicago.

WHITEAVES, J. F.

Recent Discoveries of Rocks of the age of the Trenton
formation at Akpotok Island, Ungava Bay, Ungava.

Amer. Journ. Sci., Vol. 7, pp. 433-434, 1899. New Haven.

WHITEAVES, J. F.

The Devonian System in Canada.

Address by J. F. W., vice-pres. and chairman of Section
E, Amer. Assoc. Adv. Sci., Columbus, Ohio, meeting,
Aug. 21-26, 1899, 31 pp., 1899. Easton, Pa.

WOODMAN, J. EDMUND.

Studies in the Gold-bearing Slates of Nova Scotia.

Proc. Boston Soc. Nat. History, Vol. 28, No. 15, pp. 375-407, with three plates. Boston, March, 1899.

WOODWARD, HENRY (and JONES, T. RUPERT.)

Contributions to Fossil Crustacea.

Geol. Mag., Dec. 4, Vol. 6, No. 423, pp. 388-390, pl. 15, figs. 2-3, 1899. London.

WOODWARD, HENRY.

Sir William Dawson, C.M.G., LL.D. (Edin.), D.C.L., F.R.S., F.G.S.

Geol. Mag., Vol. 6, Dec. 4, whole No. 426, No. 12, pp. 575-578, 1899. London.

WRIGHT, FREDERICK G.

A new method of estimating the age of Niagara Falls.

Appleton's Pop. Sci. Monthly, June, 1899, 10 pp. and 6 figs., 1899. New York City.